

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/011435

A. CLASSIFICATION OF SUBJECT MATTER
INV. C07H21/00 C12N15/11

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C07H C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/047683 A (AVI BIOPHARMA INC [US]; STEIN DAVID A [US]; GE QING [US]; CHEN JIANZHU) 4 May 2006 (2006-05-04) Figure 2H the whole document	1-42
A	US 5 185 444 A (SUMMERTON JAMES E [US] ET AL) 9 February 1993 (1993-02-09) the whole document ----- -/-	1

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

22 September 2008

Date of mailing of the international search report

29/09/2008

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

de Nooy, Arjan

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/011435

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SUMMERTON ET AL: "Morpholino antisense oligomers: design, preparation, and properties" SENSE & NUCLEIC ACID DRUG DEVELOPMENT, MARY ANN LIEBERT, INC., NEW YORK, US, vol. 7, 1 January 1997 (1997-01-01), pages 187-195, XP002136176 ISSN: 1087-2906 Figure 4 the whole document	1
A	MOULTON H M ET AL: "CELLULAR UPTAKE OF ANTISENSE MORPHOLINO OLIGOMERS CONJUGATED TO ARGININE-RICH PEPTIDES" BIOCONJUGATE CHEMISTRY, ACS, WASHINGTON, DC, US, vol. 15, no. 2, 1 January 2004 (2004-01-01), pages 290-299, XP002999956 ISSN: 1043-1802 the whole document	22

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/011435

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2006047683	A	04-05-2006	AU 2005299306 A1	04-05-2006
			CA 2584599 A1	04-05-2006
			EP 1814898 A2	08-08-2007
			US 2006148747 A1	06-07-2006
			US 2007004661 A1	04-01-2007
<hr/>				
US 5185444	A	09-02-1993	NONE	
<hr/>				